# This Page Is Inserted by IFW Operations and is not a part of the Official Record

### **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

### IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.



| DECLARATION AND P WER OF                      | Attorney Docket Number 42P14977      |
|---|--------------------------------------|
| ATTORNEY FOR PATENT APPLICATION               | First Named Inventor John A. Rushing |
| (37 CFR 1.63).                                | COMPLETE IF KNOWN                    |
|   | Application Number 10/676,893        |
| Declaration Submitted Submitted after Initial | Filing Date September 30, 2003       |
| with Initial Filling (eurcharge               | Ari Unit 2825                        |
| Filing (37 CFR 1.16(e)) required).            | Examinor Name :                      |

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original and first inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

| A METHOD AND APPARATUS      | FOR INTEGRATED CIRCUIT DATAPATE<br>EDITOR                                | LAYOUT USING A VECTOR |
|-----------------------------|--|-----------------------|
|                             |  |                       |
|                             | (Tule of the Invention)  |                       |
| ne specification of which   |  |                       |
| ls attached hereto.         | •  |                       |
| OR                          |  | •                     |
| was filed on (if applicable | e):  |                       |
| or <u>09/30/2003</u>        | as United States Application Number PCT International Application Number | 10/676,893            |
| and was amended on          | !  | (if applicable)       |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentiability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 355(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

|  | nt of the application<br>on Application(a):  | on which prior  | ity is cla            | imed.  |                                 |                             |
|--|--|---|-----------------------|--|---------------------------------|-----------------------------|
|  | Foreign Application Number(s)  | Country   | ,                     | Foreign Filing Data<br>(MM/DD/YYYY)                                  | Priority Not Claimed            | Certified Copy Attached?    |
|  |  |   | -,                    | 1  | 0                               | Yes No                      |
|  |  |   |                       |  |                                 | ☐Yes ☐No                    |
| j                                      |  |   |                       |  |                                 | ☐Yes ☐No                    |
|  |  |   |                       |  |                                 | ☐Yes ☐No                    |
|  |  |   |                       |  | . 🗂                             | ☐Yes ☐No                    |
|  | mected harawith.   | ⊠. Customer Nu  | mber ·                | 08791  | or Correspond                   | dence address below         |
| Name                                   | intespendence to.  | i⊠i Customer Nu   | mber                  | 08791  | or .[_] Correspond              | Jence address below         |
| 1402725                                | Blakely, Sokoloff,   | Faylor & Zafinan I                                      | LP.                   |  |                                 |                             |
| Address                                | 12400 Wilshire Bo  | ulevard, 7th Floor                                      |                       |  |                                 | r                           |
| City                                   | Los Angeles  | •••   | State                 | California   | Zip Code                        | 90025                       |
| Country                                |  | Tel   | ephone                | (408) 720-8300   | Fax                             | (408) 720-8383              |
| made on it<br>with the kr<br>imprisonm | eclare that all state<br>offermation and bell<br>nowledge that willife<br>ent, or both, unde<br>the application or a | ief are believed<br>ul false stateme<br>r 16 U.S.C. 100 | to be truints and the | ue; and further that<br>the like so made a<br>lat such willful false | these statemer                  | nts were made<br>by fine or |
| NAME OF                                | SOLE OR FIRST  | INVENTOR:   | ☐ A pe                | tition has been filed  | d for this unders               | igned inventor              |
| Full Name:                             |  |   | ·;                    | John A. Rushing  | <u>:</u>                        | ·                           |
| nventor's S                            | Signature #1   | (First, Middle<br>M. A. Rus                             |                       | omily Name (or Surna<br>Date   | me), and Suffix (b) a<br>1/22/0 | )4-                         |
| Pacidanca                              | Madison Alahor   | na IISA   |                       | Cin-   | Kaling TREA                     |                             |

Docket No. 42P14977

Mailing Address

(Country)

(City , State, Country)

Madison, Alabama 35758 USA

106 Kilbum Circle

| Veeranan  | eni Nagbhushan   |
|---|--|
| (First, Middle [if any], Family   | Name (or Surname), and Suffix [if any])  |
|   | Date   |
|   |  |
| oga, California USA   | : Citizenship USA  |
| (City, State, Country)  | (Country)  |
|   | <u> </u>   |
| Samtoga, California 95070 USA   | <u>:</u>   |
|   |  |
|   |  |
| NVENTOR: A petition has been  | in filed for this undersigned inventor   |
|   |  |
|   | :<br>  |
| •   | Name (or Surname), and Suffix (if any))  |
| ·   | Date   |
|   | OW   |
| Hitty State Country   | Citizenship (Country)  |
| (Спу, Биле, Соипту)   | (COUNTY)   |
| ·   | <del>                                     </del>   |
|   |  |
|   |  |
|   |  |
| I INVENTOR:   | in filed for this undersigned inventor   |
|   | 1  |
| (First, Middle III and Family)  | vame for Surname), and Suffix (if any!)  |
| • • •   | Date   |
|   | +  |
|   | 1  |
|   | Citizenship  |
| (City , State, Country)   | Citizenship (Соилау)   |
| (City , State, Country)   | (Соиліту)  |
| (City , State, Country)   |  |
| (City , State, Country)   | (Соиліту)  |
|   | (Соиліту)  |
|   | (Соиліту)  |
|   | (Соиліту)  |
| IVENTOR: A petition has bee   | (Country)  I filed for this undersigned inventor   |
| IVENTOR: A petition has bee   | (Country)  In filled for this undersigned inventor  ane (or Surriame), and Suffix (if any))  |
| IVENTOR: A petition has bee   | (Country)  I filed for this undersigned inventor   |
| IVENTOR: A petition has bee   | n filed for this undersigned inventor  ane (or Surviume), and Suffix (if any))  Date   |
| VENTOR: A petition has bee  | (Country)  In filed for this undersigned inventor  Inne (or Surriume), and Suffix (if any))  Date  Citizenship   |
| IVENTOR: A petition has bee   | n filed for this undersigned inventor  ane (or Surviume), and Suffix (if any))  Date   |
| VENTOR: A petition has bee  | (Country)  In filed for this undersigned inventor  Inne (or Surriume), and Suffix (if any))  Date  Citizenship   |
| VENTOR: A petition has bee  (First; Middle [if any], Family N  (City, State, Country) | (Country)  In filed for this undersigned inventor  Inne (or Surriume), and Suffix (if any))  Date  Citizenship   |
| VENTOR: A petition has bee  | (Country)  In filed for this undersigned inventor  Inne (or Surriume), and Suffix (if any))  Date  Citizenship   |
| VENTOR: A petition has bee  (First; Middle [if any], Family N  (City, State, Country) | (Country)  In filed for this undersigned inventor  Inne (or Surriume), and Suffix (if any))  Date  Citizenship   |
| VENTOR: A petition has bee  (First; Middle [if any], Family N  (City, State, Country) | (Country)  In filed for this undersigned inventor  Inne (or Surriume), and Suffix (if any))  Date  Citizenship   |
|   | (First, Middle [if any], Family in the company of t |

### Appendix A

I hereby appoint with full power of substitution and revocation; to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: William E. Afford, Reg. No. 37,764; Farzed E. Amini, Reg. No. 42,281; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernedicou, Reg. No. 35,934; Roger W. Biakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 48,149; Gregory D. Caldwell, Reg. No. 39,928; Cory G. Claassen, Reg. No. 50,298; Thomas M. Coaster, Reg. No. 39,637; Mimi D. Dao, Reg. No. 45,628; Stephen M. De Kierk, Reg. No. 48,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Nathan P. Elder, Reg. No. P-55,150; Tarek N. Fehmi, Reg. No. 41,402; Triumaa S. Femil, Reg. No. 42,532; George L. Fountain, Reg. No. 36,374; Adam Furst, Reg. No. 51,710; Angelo J. Gaz, Reg. Nd. 45,807; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Jason R. Graff, Reg. No. 54;134; Jeffery Scott Helleton, Reg. No. 46,765; James A. Henry, Reg. No. 41,054; Wilmore F. Holbrow III, Reg. No. 41,846; Sheryt Sue-Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,138; Aslam A. Jaffery, Reg. No. 51,841; Walter T. Rim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,736; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little-Washington, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,785; Michael J. Mallie, Reg. No. 38,591; Andre L. Maraia, Reg. No. 48,095; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Heather M. Molleur, Reg. No. 50,432; Richard A. Nakashima, Reg. No. 42,023; Thirsh V. Nguyen, Reg. No. 42,034; Robert B. O'Rotarke, Reg. No. 48,972; Daniel E. Ovanezian, Reg. No. 41,238; Philip A. Pedigo, Reg. No. 52,107; Marina G. Portneva, Reg. No. 45,750; Joseph A. Pugh, Reg. No. 52,137; Jon C. Réali, Reg. No. 54,391; James H. Salter, Reg. No. 35,666; William W. Schaal; Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sckotoff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; Lisa Tom, Reg. No. 52,291; John F. Travis, Reg. No. 43,203; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,885; Thomas A. Van Zandt, Reg. No. 43,219; Mark R. Vatuona, Reg. No. 53,719; Lester J. Vincent, Reg. No. 31,460; John P. Ward, Reg. No. 40,216; Mark L. Wedsen, Reg. No. 46,322; Thomas C. Webster, Reg. No. 48,154; Chul-Kiu Teresa Worg, Reg. No. 48,042; and Norman Zaiman, Reg. No. 26,250; my patent attorneys, and Citza Koon Chua, 53,831; Brent Vecchia, Reg. No. 48,011 and Lehus Wang, Reg. No. 48,023, my petent agents, with officer located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800; and James R. Thein, Reg. No. 31,710, my patent attorney. I also appoint Alan K. Aktous, Reg. No. 31,905; Rob D. Anderson, Reg. No. 33,826; Jay P. Beste, Reg. No. 59,901; Shireen I. Bacon, Reg. No. 40,494; R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert H. Chang, Reg. No. 48,785; George Chen, Reg. No. 50,807; Glan B. Chol, Reg. No. 43,548; Kenneth Coot, Reg. No. 40,570; Ted A. Crawford, Reg. No. 50,510; Robert A. Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Christopher Gagna, Reg. No. 38,142; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenweld; Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Kalson, Reg. No. 40,670; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,815; Anthony Martinez; Reg. No. 44,223; Larry Mennemaier, Reg. No. 51,003; Molly A. Mocali, Reg. No. 46,126; Paul Negy, Reg. No. 37,896; Michael J. Neshelwat, Reg. No. 47,819; Dennis A. Nicholls, Reg. No. 42,036; Kathy J. Oritz, Reg. No. 54:351; Lanny Parker, Reg. No. 44,281; Michael D. Plimler, Reg. No. 43,004; Michael Prokech, Reg. No. 43,021; Kevin A. Relf, Reg. No. 38,381; Crystal D. Saylas, Reg. No. 44,318; Russell C. Scott, Reg. No. 43,103; Justin B. Scout, Reg. No. 64,431; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Afril P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 38,278; Howard A. Skatst, Reg. No. 38,098; Paul E. Stetner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, Reg. No. 50,804; John F. Travis, Reg. No. 43,203; Robert G. Winide, Reg. No. 37,474; Sharon Wong, Reg. No. 37,750; Stoven D. Yafea, Reg. No. 42,242; Calvin E. Wella; Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent attempts and my patent agents, of INTEL CORPORATION; with full power of aubstitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, with full power of autostitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

## Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability.

- (a) A patent by its very nature is effected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined; the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filling and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is patentability as defined in this section, or the application becomes abandoned. Information in the patentability of a claim that is cancelled or withdrawn from consideration, or the application becomes abandoned. Information is not material to the patentability of any claim is cancelled or withdrawn, from consideration need not be submitted if the information, which is not material to the patentability of any claim existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was chief by the Office or submitted to the Office in the manner prescribed by the Office or submitted to the Office in the manner prescribed or \$\$1.97(b)-(d) and 1.88. However, no patent will be granted on an application in connection with which froud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully
  - (1) Prior art cited in search reports of a foreign patent office in a dounterpart application, and
- (2) The closest information over which individuals associated with the filling or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facile case of unpatentiability of a cialm; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
    - (i) Opposing an argument of unpatentability relied on by the Office, or
    - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compets a conclusion that a cialm is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of respectively.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application;
  - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to essign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT informational filing date of this continuation-in-part application.



|   |                         |                                 | T                    |                 | ~ |
|---|-------------------------|---------------------------------|----------------------|-----------------|---|
| DECLARATION AND POWER OF  |                         | Attorney Docket Number 42P14977 |                      |                 |   |
| ATTORNEY FOR PATENT APPLICATION   |                         |                                 | First Named Inventor | John A. Rushing |   |
| (37 CFR 1.63)   |                         | COMPLETE IF KNOWN               |                      |                 |   |
|   |                         |                                 | Application Number   | 10/676,893      |   |
| Declaration Submitted with Initial  Submitted OR With Initial  OR Submitted after Initial Filing (surcharge | Filing Date             | September 30, 2003              |                      |                 |   |
|   | Art Unil                | 2825                            |                      |                 |   |
| Filing  | Filing (37 CFR 1.16(e)) |                                 | Evenines Name        |                 |   |

#### As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original and first inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

| A METHOD AND APPARATUS FOR INTEGRATED CIRCUIT DATAPATI<br>EDITOR | H LAYOUT USING A VECTOR |
|--|-------------------------|
| (Title of the Invention)   |                         |
| the specification of which .  is attached hereto.                |                         |
| OR   |                         |
| was filed on (if applicable):  or                                | 10/676,893              |
| and was amended on   | (if applicable)         |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

р. Э

.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Delas  | Carolan | Analia | ation(s): |
|--------|---------|--------|-----------|
| FIRM . | ruskan  | AUUUIA | 900 1121  |

| Prior Foreign Application<br>Number(s) | Country | Foreign Filing Date<br>(MM/DD/YYYY) | Priority Not Claimed | Certified Copy<br>Attached? |
|--|---------|-------------------------------------|----------------------|-----------------------------|
|  |         |                                     |                      | Yes No                      |
|  |         |                                     |                      | Yes No                      |
|  |         |                                     |                      | ☐ Yes ☐ No                  |
|  |         |                                     |                      | Yes No                      |
|  |         |                                     |                      | ☐Yes ☐ No                   |

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

| Direct all co | rrespondence to:  | Customer Num         | ber 08791            | or Carresponde | nce address below |
|---------------|-------------------|----------------------|----------------------|----------------|-------------------|
| Name          | Blakely, Sokoloff | , Taylor & Zafman LL | P                    |                |                   |
| Address       | 12400 Wilshire B  | loulevard, 7th Floor |                      |                |                   |
| City          | Los Angeles       |                      | State Culifornia     | Zip Code       | 90025             |
| Country       |                   | Telep                | phone (408) 720-83(X | ) Fax          | (408) 720-8383    |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| NAME OF SOLE        | OR FIRST INVENTOR:           | ion has been filed for this unde     | ersigned inventor |  |  |  |
|---------------------|------------------------------|--------------------------------------|-------------------|--|--|--|
| Full Name:          | III Name: John A. Rushing    |                                      |                   |  |  |  |
|                     | (First, Middle [if any], Far | nily Name (or Surname), and Suffix [ | (any-)            |  |  |  |
| Inventor's Signatur | re                           | Date                                 |                   |  |  |  |
| Residence Ma        | dison, Alabama USA           | Citizenship USA                      |                   |  |  |  |
|                     | (City , State, Country)      |                                      | (Country)         |  |  |  |
| Mailing Address     | 106 Kilbum Circle            |                                      |                   |  |  |  |
|                     | Madison, Alabama 35758 USA   |                                      |                   |  |  |  |
|                     |                              |                                      |                   |  |  |  |

Docket No. 42P14977

A petition has been filed for this undersigned inventor NAME OF SECOND INVENTOR: Veerapaneni Nagbhushan Full Name: (First, Middle fif any], Family Name (or Surname), and Suffix [if any]) Inventor's Signature Date \_\_ 1/21/04 Residence Saratoga, California USA Citizenship USA (City, State, Country) Mailing Address 19574 Via Monte Drive Saratoga, California 95070 USA NAME OF THIRD INVENTOR: A petition has been filed for this undersigned inventor Full Name: (First, Middle [if any], Family Name (or Surname), and Suffix [if any]) Inventor's Signature Date Residence Citizenship (City , State, Country) Mailing Address NAME OF FOURTH INVENTOR: A petition has been filed for this undersigned inventor Full Name: (First, Middle [if any]. Family Name (or Surname), and Suffix [if any]) Inventor's Signature \_\_ Date Residence Citizenship (City , State, Country) Mailing Address NAME OF FIFTH INVENTOR: A petition has been filed for this undersigned inventor Full Name: (First, Middle [if any], Family Name (or Surname), and Suffix [if any]) Inventor's Signature \_\_\_ Date Residence Citizenship (City , State, Country) (Country) Mailing Address

-3-

#### Appendix A

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Cory G. Claassen, Reg. No. 50,296; Thomas M. Coester, Reg. No. 39,637; Mimi D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Nalhan P. Elder, Reg. No. P-55,150; Terek N. Fahml, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George L. Fountain, Reg. No. 36,374; Adam Furel, Reg. No. 51,710; Angelo J. Gaz. Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40.621; Jason R. Graff, Reg. No. 54.134; Jeffery Scott Helleson, Reg. No. 46,765; James A. Henry, Reg. No. 41,064; Wilmore F. Holbrow III, Reg. No. 41.845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Aslam A. Jaffery, Reg. No. 51,841; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,736; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little-Washington. Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marals, Reg. No. 48,095; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Heather M. Molleur, Reg. No. 50,432; Richard A. Nakashima, Reg. No. 42,023; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Philip A. Pedigo, Reg. No. 52,107; Marina G. Portnova, Reg. No. 45,750; Joseph A. Pugh, Reg. No. 52,137; Jon C. Reali, Reg. No. 54,391; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; Lisa Tom, Reg. No. 52,291; John F. Travis, Reg. No. 43,203; Kerry D. Tweel, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Thomas A. Van Zandt, Reg. No. 43,219; Mark R. Vatuone, Reg. No. 53,719; Lester J. Vincent, Reg. No. 31,460; John P. Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; Chui-Kiu Teresa Wong, Reg. No. 48,042; and Norman Zafman, Reg. No. 26,250, my patent attorneys, and Chze Koon Chua, 53,831; Brent Vecchia, Reg. No. 48,011 and Lehua Wang, Reg. No. 48,023, my petent agents, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800; and James R. Thein, Reg. No. 31,710, my patent attorney. Talso appoint Alan K. Aldous, Reg. No. 31,905; Rob D. Anderson, Reg. No. 33,826; Jay P. Beate, Reg. No. 50,901; Shireen I. Bacon, Reg. No. 40,494: R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert H. Chang, Reg. No. 48,765; George Chen, Reg. No. 50,807; Glen B. Choi, Reg. No. 43,546; Kenneth Cool, Reg. No. 40,570; Ted A. Crawford, Reg. No. 50,810; Robert A. Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Christopher Gagne, Reg. No. 36,142; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Kalson, Reg. No. 40,670; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,815; Anthony Martinez, Reg. No. 44,223; Larry Mennemeier, Reg. No. 51,003; Molly A, Mccell, Reg. No. 46,126; Paul Nagy, Reg. No. 37,896; Michael J. Nesheiwal, Reg. No. 47,819; Dennis A. Nicholls, Reg. No. 42,036; Kathy J. Ortiz, Reg. No. 54,351; Lanny Parker, Reg. No. 44,281; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Cryslal D. Sayles, Reg. No. 44,318; Russell C. Scott, Reg. No. 43,103; Justin B. Scout, Reg. No. 54,431; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Ami P. Shah, Rog. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skalst, Reg. No. 36,008; Paul E. Steiner, Reg. No. 41,326; Joni D. Stulman-Horn, Reg. No. 42,173; David Tran, Reg. No. 50,804; John F. Travis, Reg. No. 43,203; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent attorneys and my patent agents, of INTEL CORPORATION; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

# Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability.

- (a) A patent by its very nature is affected with a public interest. The public Interest is best served, and the most affective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of cander and good taith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any existing under consideration in the application. There is no duty to submit information, which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by \$\$1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which from on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully
  - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prime facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
    - (i) Opposing an argument of unpatentability relied on by the Office, or
    - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application;
  - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all Information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.